

43. (Amended) A method for producing a propellant powder for a gun ammunition, comprising providing a mono-, di-, or tri-basic propellant, in the form of powder granules, surface-treating said granules of a mono, di, or tri-basic propellant powder with at least one reagent selected from the group consisting of polyether, polyurea, polybutadiene, polyamide, poly-3-nitratomethyl-3-methyl oxetane, glycidylazide polymer, bis (2,2-dinitropropyl) acetal, bis (2,2-dinitropropyl) formal, dinitrodiazaalkane, alkyl nitrate ethyl nitramine, ethyl nitrate ethyl nitramine, and butyl nitrate ethyl nitramine.

45. (Amended) The method of Claim 43, wherein the propellant is at least one member selected from the group consisting of nitrocellulose, a nitric acid ester, an alkyl nitrate ethyl nitramine, nitroguanidine, hexogen, octogen, 3-nitro-1,2,4-triazol-5-one, and hexanitrohexaazaisowurtzitane.

51. (Amended) The method of Claim 43, wherein the surface-treating step comprises the step of applying said reagent, in the form of a solution or of an emulsion to the surface of said granules.

52. (Amended) The method of Claim 51, comprising spraying the granules in a rotating drum or incubating in an impregnating solution.

53. (Amended) The method of Claim 43, wherein said reagent is applied as a mixture of the two of said at least one reagent or by a two-stage, consecutive treatment.

54. (Amended) The method of Claim 43, wherein the powder granules are coated with said reagent.

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amended* 55. (Amended) The method of Claim 51, wherein said powder granules are coated with each of said reagent.

56. (Amended) The method of Claim 53, wherein said powder granules are coated with each of said reagent.

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